Attorney Docket No.: 205-009US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

David E. Wolf

Art Unit: 1743

Serial No.:

10/698,591

Examiner: Ramillano

Filed:

October 31, 2003

Confirmation No.: 1643

Title:

SEMIPERMEABLE SENSORS FOR DETECTING ANALYTE

MAIL STOP AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

DECLARATION OF DAVID E. WOLF, PH.D.

I, David E. Wolf, Ph.D., state and declare as follows:

- 1. I am the inventor named on the above-captioned application and the Chief Technology Officer at Sensor Technologies LLC.
- 2. Prior to March 11, 2002, I had, Kate Sears, a then research associate of Sensor Technologies LLC, prepare a series of sensor beads. The sensor beads included an alginate core that included a fluorescence energy donor and a fluorescence energy acceptor. The alginate core was surrounded by a semipermeable poly-L-lysine membrane. The semipermeable coating was surrounded by a biocompatible coating formed from alginate. Ms. Sears' work is reflected in laboratory notebook S-063, pages 36, 37 and 46, copies of which are attached hereto as Exhibit A.
- 3. The entry "Cy3.5-TH-071" refers to fluorescence donor dye molecules from Amersham BioSciences, Cardiff Wales. The entry "Cy5.5-C-059s" refers to fluorescence acceptor dye molecules from Amersham BioSciences, Cardiff Wales.
- 4. The lot of sensor beads reflected on laboratory notebook pages 36, 37 and 46 have been identified internally at Sensor Technologies LLC as Sensor Bead Lot CC.
- 5. The sensor beads of lot CC were coated with semipermeable poly-L-lysine having a weight average molecular weight of 9800 Dalton (lot number 127H5912). I have reviewed records at Sensor Technologies LLC and determined that the lot of poly-L-lysine used to prepare the sensor beads of lot CC was obtained from Sigma-Aldrich,

CERTIFICATE OF TRANSMISSION

I hereby certify under 37 CFR §1.8(a) that this correspondence is being electronically transmitted to the United States Patent and Trademark Office, by EFS-Web, on September 20, 2007.

Frin Margit Dajka Typed or Printed Name of Person Signing Certificate Inc., and each lot of poly-L-lysine had a polydispersity index greater than 1. In particular, lot number 127H5912 had a polydispersity index of 1.18.

6. The sensor beads of lot CC had an approximate diameters of 2 millimeters.

I declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both under section 1001 Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent on which this statement is directed.

Further I declare not.

Date: September 20, 2007

David E. Wolf, Ph.D. Chief Technology Officer

Sensor Technologies LLC Park Nine West 910 Boston Turnpike Shrewsbury, MA 01545

EXHIBIT A

Continued From Page _

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Notebook No. S-063
PROJECT 2nd continued may be construed from Page X

Free Assay Cubo C-alos Jales, Miller Continued From Page X

REDACTED

- Changed buffer on guess exposed Lot 83 and of CC Joeads from 1/1/24

- Paced 42 beauts from Lot CC in a sterile beth clien in hadd

- Paced 42 beauts from Lot CC in a sterile beth clien in hadd

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- Paced 45 beauts from Lot CC in a sterile beauts from 7/1/24

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- Paced 48 beauts from Lot CC in a sterile beauts from 7/1/24

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REDACTED

			Continued on Page 47										
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Signed	Date	Signed	Date										